

Luis Mier-y-Teran

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2782263/publications.pdf>

Version: 2024-02-01

23
papers

571
citations

623734

14
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

252
citing authors

#	ARTICLE	IF	CITATIONS
1	A nonlocal free-energy density-functional approximation for the electrical double layer. <i>Journal of Chemical Physics</i> , 1990, 92, 5087-5098.	3.0	133
2	An analytical equation of state for the hard-core Yukawa fluid. <i>Molecular Physics</i> , 1997, 90, 373-380.	1.7	82
3	Non-local free-energy density-functional theory applied to the electrical double layer. <i>Molecular Physics</i> , 1990, 71, 369-392.	1.7	68
4	Analytical solution of the mean-spherical approximation for a system of hard spheres with a surface adhesion. <i>Physical Review A</i> , 1989, 39, 371-373.	2.5	34
5	Temperature dependence of the primitive-model double-layer differential capacitance: a hypernetted chain/mean spherical approximation calculation. <i>The Journal of Physical Chemistry</i> , 1988, 92, 6408-6413.	2.9	24
6	Molecular dynamics study of the primitive model of 1-3 electrolyte solutions. <i>Chemical Physics</i> , 1990, 142, 203-211.	1.9	24
7	The application of density functional theory and the generalized mean spherical approximation to double layers containing strongly coupled ions. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 11945-11954.	1.8	24
8	A comparison of numerical methods for solving nonlinear integral equations found in liquid theories. <i>Journal of Computational Physics</i> , 1989, 84, 326-342.	3.8	22
9	Parametrization of the radial distribution function of a Yukawa fluid. <i>Fluid Phase Equilibria</i> , 1997, 130, 65-72.	2.5	22
10	Non-local free-energy density-functional theory applied to the electrical double layer. <i>Molecular Physics</i> , 1991, 72, 817-830.	1.7	21
11	Thermodynamics and structure of the primitive model near its gas-liquid transition. <i>Journal of Chemical Physics</i> , 1991, 95, 6784-6791.	3.0	15
12	An analytical equation of state for the hard core Yukawa fluid; the electroneutral mixture. <i>Molecular Physics</i> , 1998, 95, 179-186.	1.7	15
13	MSA: Classical or non-classical critical exponents?. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1986, 117, 43-47.	2.1	14
14	On the low temperature anomalies in the properties of the electrochemical interface. A non-local free-energy density functional approach. <i>Molecular Physics</i> , 2001, 99, 1323-1328.	1.7	14
15	A model for viscosity coefficients of gases with potentials differing in form. <i>Molecular Physics</i> , 2003, 101, 2997-3007.	1.7	12
16	On the hard core Yukawa fluid of variable range: Monte Carlo simulations and test of the MSA equation of state. <i>Molecular Physics</i> , 1999, 97, 597-601.	1.7	11
17	Surface tension of associating fluids by Monte Carlo simulations. <i>Journal of Chemical Physics</i> , 2004, 120, 2337-2342.	3.0	9
18	Critical behaviour of the square-well fluid in the mean spherical approximation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1985, 107, 329-332.	2.1	8

#	ARTICLE	IF	CITATIONS
19	Application of some second-order integral equation theories to the Lennard-Jones fluid. <i>Molecular Physics</i> , 1997, 90, 563-570.	1.7	7
20	Orthonormal series expansion solution of the Percus-Yevick equation. <i>Journal of Chemical Physics</i> , 1980, 72, 1044-1051.	3.0	5
21	Study of the hard-disk system at high densities: the fluid-hexatic phase transition. <i>Journal of Chemical Physics</i> , 2018, 148, 234502.	3.0	4
22	The van der waals model and the theory of solutions. <i>Chemical Physics Letters</i> , 1975, 35, 274-276.	2.6	2
23	Critical lengths and spinodal region of the Lennard-Jones fluid. <i>Journal of Chemical Physics</i> , 1980, 72, 5775-5776.	3.0	1